	0128					ATTY DOCKET NO. 58069 (47126)		SERIAL NO. 09/887,493			
!	INFORMATION DISCLOSURE CITATION Size several sheets if necessary)						Applicant(s): G. CEV(<u> </u>		
J	JUL 3 0-2004						FILING June 22, 2001	G	ROUP	1654	
V.	מו		W OF		U.S	. PATENT	DOCUMENTS				
"EXAMIN INITIAL	NER DOCUMENT NUMBER		DATE		NAME	CLASS	SUBCLASS	FILING DATE			
C		AA	5,6	07,692	04/04/1997	Ribier e	t al.	424	450		
7		ΑВ	5,9	58,379	28/09/1999	Regenol	d et al.	< 424	47		
		AC	4,9	44,948	31/07/1990	Uster et	al.	424	450		
		AD	4,9	11,928	27/03/1990	Wallach	ı	424	450	-	
		АĒ	5,2	38,613	24/08/1993	Anderso	on	264	22		
-		AF	Re.	33,273	24/07/1990	Speaker		210	639		
		AG	4,6	19,794	28/10/1986	Hauser		264	4.1		
		АН	4,9	54,345	04/09/1990	Müller		424	450		
		ΑI	4,93	37,078	26/06/1990	Mezei et al.		424	450		
		AJ	4,92	4,921,706 01/05/		Roberts et al.		424	450		
\sqrt{V}		AK	5,741,515 21/04/1998		21/04/1998	Ciceri et al.		424	450		
					FORE	IGN PATEI	NT DOCUMENTS				Ŷ
				DOCUMENT NUMBER	DATE		COUNTRY	CLASS	SUBCLASS	TRANSL YES	NO ON
56		BA	07-3	324029	12.12.1995	ЈР				-	X
SL		BB	0 29	98 280	14.06.1988	EP					7
SV	,	вс	0 39	93 707	20.04.1990	EP					
SI	`	BD	1 14	13 656	29.03.1983	CA		10			
				OTHER DOCUMEN	•	•	Title, Date, Pertinent P	. ,			
8			CA	G. Cevc et al., Transdermal drug carriers: basic properties, optimization and transfer efficiency in the case of epicutaneously applied peptides, <i>J. Contr. Rel.</i> , 36, pp. 3-16, 1995							
.54			S. Yuan, et al., Cationic Liposome and Gene Transfer, <i>Progress in Physiological Science</i> , 28(2), pp. 163-165, 1997								
EXAMII	NER	``	S	som De be			DATE CONSIDERED	-28-	05		
				ference considered, whether by of this form with next com			ance with MPEP 609; Draw li	ne through cit	ation if not in co	nformance a	and not

Form PTO-A820 (also form PTO-1449)

101			ATTY DOCKET NO. SERIAL NO. 09/887,493								
,		ORDATION DISCLOSUR (Use several sheets if neces		Applicant(s): G. CEVC							
JUL 3	ט"ע	(د)			FILING	· .	GROUP				
Ž.		OHO CONTRACTOR OF THE CONTRACT			June 22, 20	01		1654			
THE TO THE	PADEN	Att	U.S	S. PATENT	DOCUMENTS						
"EXAMINER INITIAL		DOCUMENT NUMBER	DATE		NAME	CLASS	SUBCLASS	FILING DAT			
•											
				1							
											
					·						
 	-	-		<u></u>					<u> </u>		
			1								
	<u> </u>			<u></u>				ļ			
*		-									
			 			<u> </u>	<u> </u>				
	_					_		ļ <u>.</u>			
								ļ			
•											
			FORE	IGN PATE	NT DOCUMENTS		ů.				
		DOCUMENT NUMBER	DATE		COUNTRY	CLASS	SUBCLASS	TRANSI YES	ATION NO		
W	BE	0 088 046	11.02.1983	EP							
E	BF	61-271204	01.12.1986	JР							
iN	BG	724218	17.10.1996	AU							
SI	вн	0 152 379	11.02.1985	EP							
					:						
		OTHER DOCUM	ENTS (Includin	ng Author	Title, Date, Pertinen	t Pages, Etc	 c. <i>)</i>	1			
								-			
					•						
XAMINE		Swan D be			DATE CONSIDERED	1-28	-05				
EXAMINE onsidered	R: Init	ial if reference considered, wheth ide copy of this form with next co	ner or not citation is communication to ap	in conform plicant.	ance with MPEP 609; Dra	w line through	citation if not in c	onformance	and not		

Form PTO-A820 (also form PTO-1449) JUL 3 0'2004

DOCKET NO: **SERIAL NO.:** 09/887,493 58069 (47126) INFORMATION DISCLOSURE STATEMENT APPLICANT: G. CEVC FILING DATE: **GROUP NO.** 1654 June 22, 2001 **UNITED STATES PATENT DOCUMENTS DOCUMENT** FILING DATE EXAM. INITIALS NUMBER DATE NAME **CLASS SUBCLASS** IF APPROPRIATE **FOREIGN PATENT DOCUMENTS DOCUMENT** TRANSLATION NUMBER **COUNTRY CLASS SUBCLASS** YES/NO DATE ΒI WO 98/17255 30.04.1998 **PCT** BJ WO 98/30215 16.07.1998 PCT WO 98/33483 06.08.1998 **PCT** BK WO 88/07362 06.10.1988 PCT BL WO 98/06750 19.02.1998 PCT BM WO 91/04013 BN 04.04.1991 **PCT** WO 92/05771 BO 16.04.1992 **PCT** BP WO 93/19736 **PCT** 14.10.1993 CN BQ WO 93/19737 14.10.1993 **PCT** Man), be DATE: **EXAMINER:** 1-28-05

> Page 3 of



FORM PTO-1449				DOCKET NO:		SERIAL NO.:				
				58069 (47126)		09/887,493				
INFORMA'	LION	DISCLOSURE S	TATEMENT	APPLICANT: G. CEV	С					
•				FILING DATE:	GR	OUP NO).			
				June 22, 2001	165	54				
			UNITI	ED STATES PATENT DO	CUMEN	TS				
EXAM. INITIALS		DOCUMENT NUMBER	DATE	NAME	C	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
,				ADDICAL DAMPAIM DOCUM	AFNE					
		DOCUMENT	FO	REIGN PATENT DOCU	MENIS		<u>"</u>	TD ANGLATION		
		DOCUMENT NUMBER	DATE	COUNTRY		CLASS	SUBCLASS	TRANSLATION YES/NO		
W	BR	WO 90/09782	07.09.1990	PCT			SUBCLASS	1ES/NO		
	BS	WO 87/01938	09.04.1987	PCT				_		
11/	ВТ	3,713,494	29.10.1987	DE						
	BU	3,016,976	13.11.1980	DE	$\neg \top$					
70	BV	1,289,420	24.09.1991	CA	_					
W	BW	2,052,164	26.09.1992	CA				-		
30	BX	1,740,283	28.07.1983	AU				•.		
4	BY	0,674,913	04.10.1995	EP						
W	BZ	0,704,206	03.04.1996	EP						
GI	BAA	0,475,160	18.03.1992	EP						
SV	BBB	0,707,847	24.04.1996	EP						
5/-	всс	0,280,492	31.08.1988	EP	\top					
a	BDD	0,102,324	07.03.1984	EP						
	BEE	0,224,837	24.11.1986	EP						
41	BFF	0,211,647	25.02.1987	EP						
					7					
EXAMINER	: -/	hisan).	loe	`	DA	TE: /	-28-05	-		

Page 4 of 9

AIP.	E/		Docket Number (Optional)	Application Number					
/0"	~ 'c	.\	58069 (47126)	09/887,493					
1		CTION DISCLOSURE CITATION (Use several sheets if necessary)	Applicant(s) G. CEVC	_					
JUL 3	ייטעט ע		Filing Date	Group Art Unit					
1		<u> </u>	June 22, 2001	1654					
EXAMETRA	DEMAR	OTHER DOCUMENTS (Including Author, Title	le, Date, Pertinent Pages, Etc.)	· · · · · · · · · · · · · · · · · · ·					
ed	cc	G. Cevc, Transfersomes, Liposomes and Other Lipi and Transdermal Drug Delivery, Crit. Rev. Ther. Dr.	d Suspensions on the Skin: Permeation ug Carrier Syst., 13(3&4), pp. 257-388	a Enhancement, Vesicle Penetration, , 1996					
·40	CD	A. Klibanov, et al., Activity of amphipathic poly(ethylene glycol) 5000 to prolong the circulation time of liposomes depends on the liposome size and is unfavorable for immunoliposome binding to target, BBA, 1062, pp. 141-148, 1991							
. W	CE	Benner, "The Human Body, The Wonderwork of the Mechanisms" Weltbild GmbH Augsburg (1995)	he Human Body, Structure, Functions	, Interactions, Processes and					
· <i>SV</i>	CF	Serva, FEINBIOCHEMICA FUR FORSCHUNG fo	or Serva Feinbiochemica GmbH & Co.	(1986/1987)					
/		Clark IM To HIS and a second at the second	alamina District Day of the Con-						
4	CG	Clark, J.M., Jr., "Experimental Biochemistry" Biochemistry Division, Department of Chemistry, University of Illinois, pp. 47-48							
50	СН	Patel, H.M. "Liposomes as a Controlled-release Sys	stem" Biomedical Society Transaction	s 609th Meeting, Leeds, pp. 513-516					
N	CI	Fieser, L.F., et al. "Organische Chemie" Hans Ruprecht Hensel, 2nd revised edition, Verlag Chemie GmbH, Weinheim/Bergstr (1968)							
Cp	CJ	Fluka Chemika-BioChemika Catalogue 16 (1988/89)							
W		Roeding, J. "Liposomes and Niosomes in Pharmacy and Cosmetic State of the Art Prospects, Techniques of Visualizing Vesicular Systems, Interaction of Liposomes with the Skin' Training Course No. 105 from May 14 to 16, 1990, MARITIM Hotel Nurnberg, Frauentorgraben 11, 8500 Nurenbwerg							
4		L. Löbbecke, et al., "Effects of Short-Chain Alcohols On the Phase Behavior And Interdigitation Of Phosphatidylcholine Bilayer Membranes," <i>Biochimiea et Biophysica Aeta</i> , 1237, pp. 59-69, 1995							
4	СМ	R. Singh, et al., "Liposomally Encapsulated Diclofenac For Sonophoresis Induced Systemic Delivery," <i>J. Microencapsulation</i> , Vol. 12, No. 2, pp. 149-154, 1995							
W	CN	T. Henmi, et al., "Application of an Oily Gel Formed by Hydrogenated Soybean Phgospholipids as a Percutaneous Absorption-Type Ointment Base," <i>Chem. Pharm. Bull</i> , 42(3), pp. 651-655, 1994							
EXAMINER	Su	oan), be	DATE CONSIDERED /-28-63						
*EXAMINER: I	nitial if c	itation considered, whether or not citation is in conformat	see with MPEP Section 609; Draw line thr	ough citation if not in conformance and					

P098/REV04

not considered. Include copy of this form with next communication to applicant.

OIPE	<i>X</i>		Docket Number (Optional) 58069 (47126)	Application Number 09/887,493				
INF	ON M	ATION DISCLOSURE CITATION	Applicant(s) G. CEVC					
JUL 3 0'200	(ی ۱	(Use several sheets if necessary)	Filing Date	Group Art Unit				
<u> </u>	Ĭ.		June 22, 2001	1654				
EXAMINER AS		OTHER DOCUMENTS (Including Author, Title	le, Date, Pertinent Pages, Etc.)					
.SL	со	M. Foldvari, et al., "Dermal Drug Delivery by Lipo Microencapsulation, Vol. 7, No. 4, pp. 479-489, 1990	some Encapsulation: Clinical and Ele)	ctron Microscopic Studies," <i>J.</i>				
.SC	СР	M. Foldari, "In Vitro cutaneous and Percutaneous Conventional Vehicles," Pharmaceutical Research,	Delivery and in Vivo Efficacy of Tetr Vol. 11, No. 11, 1994	acaine from Liposomal and				
. &	cQ	M. Foldari, "Effect of Vehicle on Topical Liposoms pp. 589-600, 1996	al Drug Delivery: Petrolatum Bases,"	J. Microencapsulation, Vol. 13, No.5,				
4	CR	M.E. Planas, et al., "Noninvasive Percutaneous Ind Prolongation of Local Pain Insensitivity by Anesth	luction of Topical Analgesia by a New etic Liposomes," <i>Anesth. Analg.</i> , 75,	Type of Drug Carrier, and pp. 615-621, 1992				
W	cs	H. Peters, et al., "Pharmacodynamics of a Liposom Nr. 12, 1995	al Preparation for Local Anaesthesia	," ArzneimForsch./Drug Res., 45(II),				
W	ст	 Stove, et al, "Transformation of a Liposomal Dispersion Containing Ibuprofen Lysinate and Phospholipids into Mixed Micelles - Physico-chemical Characterization and Influence on Drug Permeation through Excised Human StratumCorneum," European Journal of Pharmaceutics and Biopharmaceutics, 46, pp. 191-200, 1998 						
W	CU	J. Schramlova, et al., "The Effect of an Antiphlogis Folia Biologica (Praha), 43, pp. 195-199, 1997	tic Incorporated in Liposomes on Exp	erimentally Induced Inflammation,"				
4	cv	G. Cevc, "Drug Delivery Across the Skin," Exp. O	oin. Invest. Drugs, 6(12), pp. 1887-193	7, 1997				
				·				
EXAMINER	Du	our D. be	DATE CONSIDERED /- 28 -	05				

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



FORM PTO)-144	9		DOCKET NO:	L NO.:	O.:				
•				58069 (47126) 09.887,493						
INFORMA [*]	TION	DISCLOSURE S	TATEMENT	APPLICANT: G. CEVC						
•				FILING DATE:	GROUP N	0.				
				June 22, 2001	1654					
			UNITI	ED STATES PATENT DOCU	MENTS					
EXAM.		DOCUMENT					FILING DATE			
INITIALS		NUMBER	DATE	NAME	CLASS	SUBCLASS	IF APPROPRIATE			
					<u> </u>					
•		,	FC	REIGN PATENT DOCUME	NTS	T				
		DOCUMENT					TRANSLATION			
		NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES.NO			
	<u></u>					<u> </u>				
	l	T		OTHER DOCUMENTS	· · · · · · · · · · · · · · · · · · ·					
4	CW	G. CEVC et al., Transfersomes-mediated transepidermal delivery improves the regio-specificity and biological activity of corticosteroids in vivo, <i>Journal of Controlled Release</i> 45 (1997) 211-226								
4	СХ	V.M. KNEPP et al., CONTROLLED DRUG RELEASE FROM A NOVEL LIPOSOMAL DELIVERY SYSTEM II. TRANSDERMAL DELIVERY CHARACTERISTICS, Journal of Controlled Release 12 (1990) March, No. 1, Amsterdam, NL, pp. 25-30								
W	CY		on I.C.I. Ltd.,	FACTORS INFLUENCING THE Plant Protection Division, Jealot						
50	CZ	K. Karzel and R. K 1491	Liedtke, "ME	CHANISMEN TRANSKUTAN	ER RESORP	ΓΙΟΝ" on <i>Grandl</i>	agen Basics, pp. 1487-			
SU	CAA	Michael Mezei, "L (Biomedical Divisi		S A SKIN DRUG DELIVERY S	YSTEM" 198	5 Elsevier Scienc	e Publishers B.V.			
4	СВВ			ei,, "TOPICAL ANESTHESIA 1988; 67: pp. 1079-81	OF THE SKI	N BY LIPOSOMI	E-ENCAPSULATED			
gV	CCC	A. Helenius, et al, (1975) 29-79	A. Helenius, et al, "SOLUBILIZATION OF MEMBRANES BY DETERGENTS", Biochimica et Biophysica Acta, 415							
W	CDD	Phillip G. Green, et al., "IN VITRO AND IN VIVO ENHANCEMENT OF SKIN PERMEATION WITH OLEIC AND LAURIC ACIDS" on <i>International Journal of Pharmaceutics</i> , 48 (1988), pp. 103-111								
40	CEE			STRATUM CORNEUM LIPIC s, Vol. 76, No. 1, January 1987						
4	CFF		CIDS, FATTY	EMENT OF NALOXONE PEN ALCOHOLS, SURFACTANTS 6) pp. 225-234						

Ansan D. be 1-28-05

Page 7 of 9



FORM PTO				DOCKET NO: SERIAL NO.:						
				58069 (47126)	09.887,	09.887,493				
INFORMA	TION	DISCLOSURE S	TATEMENT	APPLICANT: G. CEVC						
•		•		FILING DATE:	GROUP N	O.				
				June 22, 2001	1654					
•			UNITE	D STATES PATENT DOCU	MENTS					
EXAM. INITIALS		DOCUMENT NUMBER	DATE	FILING DATE IF APPROPRIATE						
•										
	.		FO	REIGN PATENT DOCUME	ENTS					
•		DOCUMENT					TRANSLATION			
		NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES.NO			
				OTHER DOCUMENTS		···				
4	CGG		URING LONTO	ACTERIZATION OF THE PE OPHORESIS" on <i>Journal of Ph</i> tion, pp. 765-773						
W	СНН		E FLUCTUAT	OF A NEW NEEDELESS INS IONS AND FREE INSULIN L						
4	CII			NTERAL ADMINISTRATION Trug Carrier Systems, Volume 3			DRUGS" on CRC			
W	C11		Cevc, G. et al., "Ultraflexible vesicles, Transfersomes, have an extremely low pore penetration resistance and transport herapeutic amounts of insulin across the intact mammalian skin," <i>Biochimica et Biophysica Acta.</i> , 1368 pp. 201-215							
n	CKK		Cevc, G., "Material Transport Across Permeability Barriers by Means of Lipid Vesicles," Handbook of Biological Physics, Vol. 1, pp. 465-490 (1995)							
SV	CLL	Mayer, L.D. et al., 858 pp. 161-165 (1		riables sizes produced by a rap	d extrusion pro	cedure," <i>Biochim</i>	ica et Biophysica Acta			
W	СМІМ	Patel, H.M. et al., ' <i>LETTERS</i> , 62(1):6		IISTRATION OF INSULIN B 1976)	Y ENCAPSUL	ATION WITHIN	LIPOSOMES," FEBS			
W	CNN			el Drug Carrier, I. Phospholipion therapy," Pharmazie in unsei			ion of Liposomes; II.			

Mann) le 1-28-05

Page 8 of 9



				Indought No.						
FORM PTO)-144	9		DOCKET NO: SERIAL		AL NO.:				
				58069 (47126) 09.887,493						
INFORMA	TION	DISCLOSURE S	TATEMENT	APPLICANT: G. CEVC						
				FILING DATE:	GR	OUP NO).			
				June 22, 2001	165	54				
			UNITE	D STATES PATENT DOCUM	1EN	TS				
EXAM.		DOCUMENT				-		FILING DATE		
INITIALS		NUMBER	DATE	NAME	(CLASS	SUBCLASS	IF APPROPRIATE		
`	•	<u> </u>	FO	REIGN PATENT DOCUMEN	ITS					
		DOCUMENT						TRANSLATION		
		NUMBER	DATE	COUNTRY	0	CLASS	SUBCLASS	YES.NO		
	١.	 	· · · · · · · · · · · · · · · · · · ·	OTHER DOCUMENTS		-	·	<u> </u>		
40	coo	Beyer, C. et al., "N	Aicro Emulsions	" Pharmazie in unserer Zeit, No.	2 (1	983)				
4	CPP			ZATION OF PHOSPHOLIPIDS et Biophysica Acta, 737 pp. 285			GENTS STRUCT	TURAL AND		
EN	cQQ	Lasch, J. et al., "Interactions of external lipids (lipids vesicles) with the skin," <i>Journal of Liposome Research</i> , 5(3) pp. 543-569 (1995)								
W	CRR	Berger, M., "Oral Dusseldorf, Germa		22: The History of Continuous A	mbi	tion and F	failure," Heinrich	-Heine-University,		
SU	CSS	Cevc. G. et al., "T Drug Delivery Rev		ray for systemic treatment with p -378 (1996)	atch	es and lip	id-based agent ca	uriers," Advanced		
N	CTT	M.L. Jackson, et a biochemistry 1982		ATION OF PHOSPHATIDYLC	HOL	INE BIL.	AYERS BY OCT	TYL GLUCOSIDE,"		
W	CUU		Y CRYO-TRAN	ELLE TRANSITION OF PHOSE SMISSION ELE TRON MICRO						
SU	cvv	K. Edwards, et al., 2, 1989 pp. 473-47		TRITON X-100 ON SONICATI	ED I	ECITHI	N VESICLES," <i>L</i>	angmuir, Vol. 5, No.		
W	cww	A. Brendzel, et al., "EFFECTS OF LIPID-SOLUBLE SUBSTANCES ON THE THERMOTROPIC PROPERTIES OF LIPOSOME FILTRATION," Biochimica et Biophysica Acta, 601 (1980) 260-270								
A	схх			ER AND STABILITY PROPERTIES OF THE LONG-LIVED LIPID VESICLES, ID IN VIVO," Journal of Liposome Research, 2(3), 355-368 (1992)						
EXAMINER	::	Man D.	we.		DA	TE: /_	28-05			

Page 9 of 9